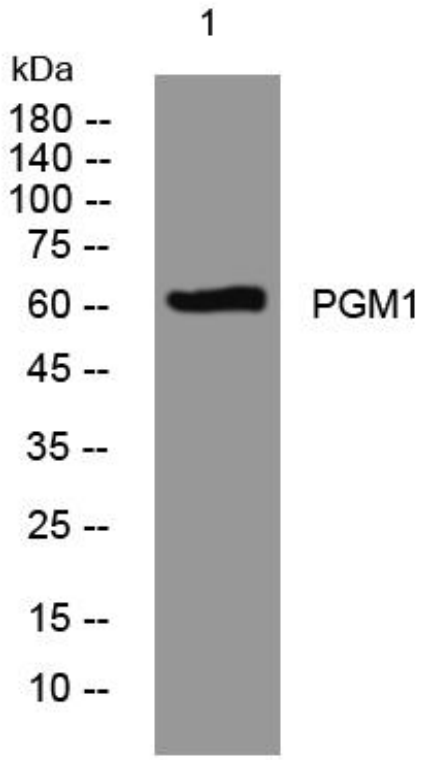
PGM1 mouse mAb

Catalog No	YP-mAb-07984
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	PGM1
Protein Name	PGM1
Immunogen	Synthesized peptide derived from human PGM1 AA range: 318-368
Specificity	This antibody detects endogenous levels of PGM1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.98% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Phosphoglucomutase-1 (PGM 1) (EC 5.4.2.2) (Glucose phosphomutase 1)
Observed Band	60kD
Cell Pathway	[Isoform 1]: Cytoplasm.
Tissue Specificity	Cervix,Epithelium,Hypothalamus,Placenta,Skeletal muscle,Skin,
Function	catalytic activity:Alpha-D-glucose 1-phosphate = alpha-D-glucose 6-phosphate.,cofactor:Binds 1 magnesium ion per subunit.,function:This enzyme participates in both the breakdown and synthesis of glucose.,polymorphism:Many polymorphic variants of PGM1 exist. 8 different alleles are known: PGM1*1+, PGM1*1-, PGM1*2+, PGM1*2-, PGM1*3+, PGM1*3-, PGM1*7+ and PGM1*7-. The sequence of PGM1*1+ is shown here.,similarity:Belongs to the phosphohexose mutase family.,subunit:Monomer.,
Background	The protein encoded by this gene is an isozyme of phosphoglucomutase (PGM) and belongs to the phosphohexose mutase family. There are several PGM isozymes, which are encoded by different genes and catalyze the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, this PGM isozyme is predominant, representing about 90% of total PGM activity. In red cells, PGM2 is a major isozyme. This gene is highly polymorphic. Mutations in this gene cause glycogen storage disease type 14. Alternativley spliced transcript variants encoding different isoforms have been identified in this gene.[provided by

RefSeq, Mar 2010],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PGM1 mouse mAb